

Date: Sun, 28 Aug 94 04:30:13 PDT
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V94 #287
To: Ham-Digital

Ham-Digital Digest Sun, 28 Aug 94 Volume 94 : Issue 287

Today's Topics:

1200/9600 Packet TNC (2 msgs)
 Help, connecting ethernet to JNOS..
 Jnos and PK232MBX ?
 RE >Packet with Mac LC
 TCP/IP over packet trough winsock ...
 TEKK MINI for 19k2 ??

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 26 Aug 1994 17:08:45 -0500
From: ihnp4.ucsd.edu!newshub.nosc.mil!crash!news.sprintlink.net!bga.com!
slip216.bga.com!user@network.ucsd.edu
Subject: 1200/9600 Packet TNC
To: ham-digital@ucsd.edu

In article <xKINK4WzU-yJ069yn@kaiwan.com>, bnovak@kaiwan.com (Bob Novak) wrote:

> Donald..
> I am using the new Kantronics KPC-9612. It works great and is probably
> the best deal on the market. I got mine from AES for \$199.
> Bob

> | E-Mail: bnovak@kaiwan.com | Packet: K00K@K6CPT.#LACCA.#SOCA.CA.USA.NA

Bob-

I sent my KPC9612 back to Kantronics today for warranty fix of software

carrier detect. If you have used SW DCD, did you have any problems?
(This would, of course, be only on port 1 - 1200).

The unit is very nice and gets two thumbs up just as my KPC3 does.

--

Henry Middlebrook Internet: henrym@bga.com
Austin, TX AMPRnet: n5sh1@n5sh1.ampr.org

Date: Sat, 27 Aug 1994 09:25:58 GMT
From: ihnp4.ucsd.edu!news.service.uci.edu!unogate!mvpb.saic.com!eskimo!
rdonnell@network.ucsd.edu
Subject: 1200/9600 Packet TNC
To: ham-digital@ucsd.edu

Donald Davis (donald.davis@moondog.com) wrote:

: Any suggestion on which 1200/9600 packet modem is the one to get? What
: would one do with 9600 baud packet at this time?

: I already use a Baycom BP-1 for 1200 baud packet. I wonder what
: upgrading to a dual speed packet tnc would do for me or what options I
: would have with a dual speed tnc?

: ---

: . CMPQwk 1.4 #9206 . I still miss my ex-wife, but my aim is getting bet

Probably the biggest plus of the stand-alone TNC is that your station can be
on the air when your computer is not up.

As for 9600 operations, you need to find out if there are plans in your area
(unless >you< are a mover and shaker) to put up some 9600 baud resources.
Getting going on 9600 is not as easy as 1200. You either have to have 1) a
radio specifically designed for 9600 operation, or 2) a willingness to do
radio surgery to bring out the connection points required for 9600
operation.

What this usually involves (at a minimum) is providing connections to the
discriminator (or FM IF/detector chip) and into a place in the radio where
direct FM modulation can be done. Many radios now use the phase-locked loop
(PLL) as the modulation point. Unfortunately, because of the nature of
PLL's, they are designed to correct for frequency errors they find. In the
case of 9600 baud operation, you are no longer putting tones on an FM audio
channel. You are actually putting 'raw' data on the modulator. This means
that for desired operation, that the modulation point needs to have flat
frequency response from about 10 Hz to 5 kHz. Most PLL's have a 3dB
highpass effect at about 100-200 Hz. As yet there is no easy solution to

the problem, so some rigs will just work better than others. If you still plan on getting a 9600 baud TNC, call the manufacturers of the products you are considering and ask them 1) about specific radios you may have now, and 2) radios they might suggest as good choices. Until about 6 months ago I worked for one of the TNC manufacturers (AEA) and know that they are very interested in developing information about what works and what does not.

Date: 25 Aug 1994 19:35:13 GMT
From: EU.net!sunic!isgate!news.rhi.hi.is!bnt@uunet.uu.net
Subject: Help, connecting ethernet to JNOS..
To: ham-digital@ucsd.edu

Hello, I have bin trying to connect a computer running JNOS 1.10d to an TCP ethernet LAN, without any luck. I'm using an Novell NE2000 with a Crynwr packet driver. The commands I put in the autoexec.nos are basically the attach command and few ifconfig commands, It is based on the WJ7J configuration file witch I got in a help packet from some ftp site.

The problem is I can't Telnet, Ftp or ping any comuters, witch are on the same LAN, or other computers on Internet. So It must be something wrong with the driver or how Im configuring JNOS.

So please if you can assist me in any way,
it would be greatly appreciated

... any autoexec.nos examples would be appreciated.

please post or e-mail.

tnx in advance
73 de TF3BNT
Benedikt Sveinsson
Reykjavik, Iceland

e-mail: bnt@rhi.hi.is

Date: Sat, 27 Aug 1994 19:38:43 GMT
From: news.sprintlink.net!news.dorsai.org!wa2vos@uunet.uu.net
Subject: Jnos and PK232MBX ?
To: ham-digital@ucsd.edu

Wouldn't be a bad idea to replace the battery unless you intend on

running the tcp/ip on a full time basis as you have to operate tcp/ip in the "Kiss" mode. I have been using my PK232mbx ever since I bought it back in 1989 with the battery installed and never had a bit of problem. Good luck and let me know via email how you make out
jim

Daniel Curry (pineapp@netcom.com) wrote:

: I have a pk232 that was upgraded to a pk232MBX. I would like
: to use this for 2 meter tcp/ip. The question is do I need to
: have a battery install in the pk232? The reason for the
: question is that when I purchased the pk232 the manual stated that
: do not put batteries in. With the upgrade kit it came with a
: nicad battery. I have not install the nicad.

: --

```
: |-----+-----|
: | INTERNET: pineapp@netcom.com      (DC436)      | Daniel Curry  WB6STW      |
: | AMPRNET : dan@wb6stw.ampr.org    [44.4.20.144] | E-:-) Ham Radio Operator |
: | AX.25   : wb6stw@n0ary.#NOCAL.CA.USA.NA      | Redwood City, CA USA    |
: |-----+-----|
```

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-----+-----WA2VOS+-----
Jim Jaffe Friendship through Ham Radio
Fellow Traveler in Cyber Space

Date: 26 Aug 1994 23:27:01 -0400
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!swiss.ans.net!
newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@network.ucsd.edu
Subject: RE >Packet with Mac LC
To: ham-digital@ucsd.edu

In article <314@kk6wb>, jerry@kk6wb.kg6kf.ampr.ORG (Jerry Benterou)
writes:

>does anyone know how to use a mac (lc) for packet radio, i.e. with the
baycom
>or another
>modem?

In keeping with the thread... I am using an LC with a kantronics KPC-2 hooked to the printer port... The station runs on Red Ryder 10.3 which is available at many ftp sites. I got my initial packetsettings from AOL in the Ham radio area... ?'s drop me a note, you will get a faster response with e-mail as I omnly check the newsgroup once or twice a week :-)

Date: Fri, 26 Aug 1994 10:55:29
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!EU.net!ub4b!idefix.CS.kuleuven.ac.be!rc1.vub.ac.be!artipc2!
dany@network.ucsd.edu
Subject: TCP/IP over packet trough winsock ...
To: ham-digital@ucsd.edu

I've just tried the modified Crynwr driver, called ethrax25.
This should allow me to use tcp/ip through windows sockets.
I tried it, and everything seems to start.
I used the latest version of Trumpet winsock, and the latest version
of ws_ftp. If I try the FTP, the TNC does transmit something, but
the trumpet winsock stuff immediatly gives an ARP time out, and
a TCP error. It also stops retrying very soon.
Has anyone got experience with this?

Thanks in advance

dany@arti.vub.ac.be

Date: 27 Aug 1994 14:03:56 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!pipex!sunic!
isgate!news.rhi.hi.is!bnt@network.ucsd.edu
Subject: TEKK MINI for 19k2 ??
To: ham-digital@ucsd.edu

Hello all.

I've heard lot about this TEKK MINI 70cm crystal rx/tx.
It appears that it is ready to go to 9k6, but what about
19k2, is it hard to get it up that speed. I assume you have
to do something about the IF filters, so is it hard or
expensive to get new filters for that station and is it
hard to replace them.

Any input welcome..

73 de TF3BNT
Benedikt Sveinsson
Reykjavik, Iceland.
e-mail: bnt@rhi.hi.is

Date: (null)

From: (null)

For radios I have sucessfully used:

Icom IC-290 (the first radio I modified)

Icom IC-22S (uses diode matrix synthsizer in 15 kHz steps. Designed for 146-148, tho usually goes to 145.35 or so OK.)

GE MVP (high band VHF - xtal controlled, easy to modify)

I currently use the GE on the local 2M packet repeater, as I hope one day to get the IC-290 back on SSB. The IC-22S is probably going to get modified to 20 kHz channel spacing and to cover the whole 2M band. Then it will probably go into my (ever evolving) portable packet station.

Hope that gives some insight on 9600 operations.

73

Bob

--

| Bob Donnell, kd7nm bob@ethanac.kd7nm.ampr.org rdonnell@eskimo.com |
Western Washington Amateur IP Address Coordinator (206) 775-3651

Date: 26 Aug 94 08:06:11 -0600

From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!

travelers.mail.cornell.edu!news.kei.com!eff!wariat.org!malgudi.oar.net!

news.ysu.edu!news.cps.udayton.edu!udecc.engr.@@ihnp4.ucsd.edu

To: ham-digital@ucsd.edu

References <1994Aug18.144706.28341@ke4zv.atl.ga.us>, <119955@cup.portal.com>,
<Cv0nur.ACy@utnetw.utoledo.edu>.corne

Reply-To : fulks@hap.arnold.af.mil

Subject : Re: Looking for DXCluster software

In article <Cv0nur.ACy@utnetw.utoledo.edu>, pouelle@uoft02.utoledo.edu writes:

|> In article <1994Aug20.143652.9960@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary Coffman) writes:

|> >In article <3306v8\$jbi@vixen.cso.uiuc.edu> k9cw@prairienet.org (Andrew B. White) writes:

|> Gary,

|> We may have to watch the term broadcasting. The FCC takes a dim view of

|> broadcasting in amateur freqs. Now don't get yourself all bent out of

|> shape - and don't go grabbing your Part 97 and flaming me with quotes from

|> the current regulations. I am just pointing out that while the broadcast

|> model uses the frequency more efficently, the FCC may not like the hoards of

|> HAMS using it without special permission. I personally could do without
|> the FCC knocking on my door with a NAL.
|>
|> I suspect special arrangements would need to be made similar to the ARRL's
|> for broadcasting their code practice & such.
|>
|> Patrick
|> KB8PYM
|>
|> Yes, I could be wrong, but please don't tell me - I KNOW the world is flat!
|>
|>

Possibly you are correct in watching the term, but it is not broadcasting
in the sense of the ARRL's broadcast of "code practice and such". This
is a network broadcast. It is a transmission to a special address that
can be received by more than one station. It is still usually sent to
some "callsign" (in the IP world that call is usually QST for AX.25). It
also implies that there is no acknowledgement of receipt.

If you are concerned about getting a NAL over this, you had better make
sure that you don't have your TNC setup to do a beacon or even ID itself
regularly as these are the same type of things.

73,

--

Kelly L. Fulks	Reply to: @hap.arnold.af.mil:c60283@troi.aedc
Scientific Programmer/Analyst	: fulks@hap.arnold.af.mil
OAO Corporation	: kelly@kc4rdj.raider.net
Arnold Air Force Base, TN 37389	: csklf@knuth.mtsu.edu

Amateur Radio: KC4RDJ@AB4ZB.#MIDTN.TN.USA.NA
: kc4rdj.ampr.org. [44.34.0.9]

End of Ham-Digital Digest V94 #287
